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ART 34 AMDT

Patent Claims

1. A circuit board or substrate for an electronic device, characterized in that the circuit board or substrate comprises at least one active organic electronic component <integrated in the substrate or the circuit board>, at least one electrode layer of the integrated active organic electronic component also being the conductive track layer of a base plate for a conventional semiconductor component.
- 10 2. A circuit board or substrate for an electronic device, characterized in that at least one active organic component in addition to at least one passive organic component is integrated in the circuit board or the substrate.
- 15 3. The circuit board or substrate as claimed in claim 2, wherein the active component is an organic transistor, an organic diode, an organic photocell, an organic integrated circuit and/or the passive organic component is an electrically conducting connection, a resistor, a coil and/or a capacitor.
- 20 4. The circuit board or substrate as claimed in one of the preceding claims, characterized in that a power supply, i.e. for example an energy transducer, a photovoltaic cell, a piezoceramic element, a coil for inductive coupling, a battery or the like is integrated in the circuit board or the substrate.
- 25 5. The circuit board or substrate as claimed in one of the preceding claims, characterized in that an input element and/or an output element is integrated in the circuit board or the substrate.
- 30 6. The circuit board or substrate as claimed in one of the preceding claims, characterized in that lines such as wire lines or conducting contacts are produced using structured conductive layers, electrodes such as source and drain electrodes and/or conductive adhesives.

7. The circuit board or substrate as claimed in one of the preceding claims, characterized in that an inexpensive visualization element and/or a display is integrated in the circuit board or the substrate.

5 8. The circuit board or substrate as claimed in claim 7, characterized in that the display comprises electrochromic material, liquid crystalline elements and/or organic light-emitting diodes.

9. The circuit board or substrate as claimed in 10 claim 7 or 8, characterized in that a driver circuit associated with the display is integrated in the circuit board or the substrate.

10. The circuit board or substrate as claimed in one of claims 7 to 9, characterized in that the driver 15 electronics comprise at least one organic field-effect transistor.

11. Use of a circuit board as claimed in one of claims 1 to 10 for an electronic device such as a sensor label, an advertising ticket, a price marker, a 20 game, a check card and/or an RFID tag.